

Title (en)
DISPLAY DEVICE

Title (de)
ANZEIGEVORRICHTUNG

Title (fr)
AFFICHEUR

Publication
EP 3435434 A2 20190130 (EN)

Application
EP 18170953 A 20180507

Priority
KR 20170088616 A 20170712

Abstract (en)
A display device includes a base substrate which includes a display area and a peripheral area, the peripheral area including a bending area; a first test signal line and a second test signal line which are located on the peripheral area; a lower insulating layer which is located on the first test signal line and the second test signal line; a first test connection pattern which is located on the lower insulating layer and connected to the first test signal line; a second test connection pattern which is located on the lower insulating layer, spaced apart from the first test connection pattern, and connected to the second test signal line; an upper insulating layer; and a first crack detection line which is located on the upper insulating layer, is connected to the first and second test connection patterns, and has at least a portion overlapping the bending area.

IPC 8 full level
H10K 99/00 (2023.01)

CPC (source: CN EP KR US)
G09F 9/301 (2013.01 - CN); **G09G 3/006** (2013.01 - CN US); **G09G 3/3233** (2013.01 - CN EP US); **H04N 17/004** (2013.01 - US); **H10K 59/00** (2023.02 - US); **H10K 59/1213** (2023.02 - KR); **H10K 59/124** (2023.02 - KR); **H10K 59/131** (2023.02 - CN EP KR); **H10K 71/70** (2023.02 - EP KR US); **H10K 77/111** (2023.02 - EP KR US); **G09F 9/301** (2013.01 - US); **G09G 2300/0426** (2013.01 - CN EP US); **G09G 2300/0861** (2013.01 - CN EP US); **G09G 2310/0251** (2013.01 - CN EP US); **G09G 2310/0262** (2013.01 - CN EP US); **G09G 2330/12** (2013.01 - CN US); **H10K 59/131** (2023.02 - US); **H10K 59/179** (2023.02 - US); **H10K 59/8731** (2023.02 - CN EP KR); **H10K 2102/311** (2023.02 - EP US); **Y02E 10/549** (2013.01 - EP); **Y02P 70/50** (2015.11 - EP)

Cited by
CN111398355A; US12016217B2

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
US 10997881 B2 20210504; **US 2019019441 A1 20190117**; CN 109256045 A 20190122; CN 109256045 B 20220603; CN 114913774 A 20220816; EP 3435434 A2 20190130; EP 3435434 A3 20190501; EP 3435434 B1 20231108; EP 4280852 A2 20231122; EP 4280852 A3 20240131; KR 102432386 B1 20220812; KR 20190007570 A 20190123

DOCDB simple family (application)
US 201815861582 A 20180103; CN 201810424931 A 20180507; CN 202210541019 A 20180507; EP 18170953 A 20180507; EP 23201118 A 20180507; KR 20170088616 A 20170712